DATA VALIDATION REPORT

Gold King Mine Release Incident

SAMPLE DELIVERY GROUP: 680-115897-1

Prepared by

MEC^X
12269 East Vassar Drive
Aurora, CO 80014

I. INTRODUCTION

Task Order Title:	Gold King Mine Release Incident
Sample Delivery Group:	680-115897-1
EPA Project Manager:	Steve Way
Weston Project Manager:	Dave Robinson
TDD No.:	0001/1508-04
Matrix:	Water
QC Level:	Stage 2A
No. of Samples:	25
No. of Reanalyses/Dilutions:	0
Laboratory:	TestAmerica - Savannah

Table 1. Sample Identification

Location ID	*Lab Sample Name*	*Matrix Type*	*Collection Date*	*Method*
A68_081915	680-115897-5	Water	08/19/2015 13:45	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
A68_081915D	680-115897-6	Water	08/19/2015 13:45	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
A72_081915	680-115897-7	Water	08/19/2015 14:15	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
CC06_081915	680-115897-1	Water	08/19/2015 09:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
CC48_081915	680-115897-8	Water	08/19/2015 15:00	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW02_081915	680-115897-9	Water	08/19/2015 12:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H
GKMSW21_081915	680-115897-10	Water	08/19/2015 14:03	200.7, 200.8, 245.1, 2340B
GKMTW122_081915	680-115897-11	Water	08/19/2015 11:40	200.7, 200.8, 245.1, 2340B
GKMTW154_081915	680-115897-12	Water	08/19/2015 13:45	200.7, 200.8, 245.1, 2340B
GKMTW189_081915	680-115897-13	Water	08/19/2015 10:50	200.7, 200.8, 245.1, 2340B
GKMTW191_081915	680-115897-14	Water	08/19/2015 14:50	200.7, 200.8, 245.1, 2340B
GKMTW198_081915	680-115897-15	Water	08/19/2015 14:20	200.7, 200.8, 245.1, 2340B
GKMTW208_081915	680-115897-16	Water	08/19/2015 08:45	200.7, 200.8, 245.1, 2340B
GKMTW212_081915	680-115897-17	Water	08/19/2015 12:40	200.7, 200.8, 245.1, 2340B
GKMTW218_081915	680-115897-18	Water	08/19/2015 15:40	200.7, 200.8, 245.1, 2340B
GKMTW231_081915	680-115897-19	Water	08/19/2015 12:20	200.7, 200.8, 245.1, 2340B

Location ID	Lab Sample Name	Matrix Type	Collection Date	Method
GKMTW231_081915D	680-115897-20	Water	08/19/2015 12:21	200.7, 200.8, 245.1, 2340B
GKMTW240_082015	680-115897-2	Water	08/19/2015 10:45	200.7, 200.8, 245.1, 2340B
GKMTW248_081915	680-115897-21	Water	08/19/2015 10:15	200.7, 200.8, 245.1, 2340B
GKMTW327_081915	680-115897-22	Water	08/19/2015 15:00	200.7, 200.8, 245.1, 2340B
GKMTW336_081915	680-115897-23	Water	08/19/2015 17:15	200.7, 200.8, 245.1, 2340B
GKMTW336_081915D	680-115897-24	Water	08/19/2015 17:15	200.7, 200.8, 245.1, 2340B
GKMTW347_082015	680-115897-3	Water	08/19/2015 09:03	200.7, 200.8, 245.1, 2340B
GKMTW355_081915	680-115897-25	Water	08/19/2015 13:05	200.7, 200.8, 245.1, 2340B
TP04_081914	680-115897-4	Water	08/19/2015 11:30	200.7, 200.8, 245.1, 2320B, 2340B, 300.0, 4500H

II. Sample Management

Anomalies regarding sample management were not observed, with several exceptions listed below. A portion of the samples were received below the temperature limit at 1.6°C; however, as the samples were not noted to be frozen or damaged, no qualifications were required. The remaining samples were received within the temperature limits of 4°C ±2°C. The samples were received intact, on ice, and properly preserved, as applicable. The chains-of-custody (COCs) were appropriately signed and dated by field and laboratory personnel. The presence or absence of custody seals on the cooler was not specifically noted.

- At the request of Weston Solutions, a revised data package was issued 10/6/2015 in order to switch the total and dissolved results for samples A68_081915, A68_081915D, A72_081915, CC48_081915, and GKMSW02_081915. This decision was based on visual inspection of the samples, review of field logs, and the samplers' standard practices.
- Although the title of the original electronic data package issued by the laboratory indicated the results were final, a revised data package was issued 9/17/2015 which contained revised results for most samples. According to the case narrative, the data package was also revised in order to add the results of the 200.7 MSD of sample GKMTW218_091815.
- Anion analyses were requested for several samples; however, only nitrate-N was reported. The remaining anions were reported in SDG 680-115897-2.
- Several samples were listed two or three times on the COC.

- The COCs did not list CLP sample IDs, and none were provided. The laboratory logged the samples per the location IDs on the COCs.
- The presence or absence of sample tags was not noted in the case narrative, and sample tags were not listed on the COCs.

Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins or PCB congeners.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
UB	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.	The analyte was detected in the sample and in either the associated laboratory blank or field blank. If detected below the reporting limit (RL) the analyte result was reported as non-detected at the RL due to blank contamination. If detected above the RL, the analyte result was reported as non-detected at the reported result due to blank contamination.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential positive bias.
J-	Not applicable	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential negative bias.

Qualifier	Organics	Inorganics
UJ	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The analyte was detected in the sample and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at either the RL or the reported result. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
UJB	The analyte was detected in the sample below the reporting limit and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at the RL due to blank contamination. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The analyte was detected in the sample below the reporting limit and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at the RL due to blank contamination. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995 or calibration was noncompliant.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
L1	LCS/LCSD RPD was outside control limits.	LCS/LCSD RPD was outside control limits.
Q	MS/MSD recovery was poor.	MS recovery was poor.
Q1	MS/MSD RPD was outside control limits.	MS/MSD RPD was outside control limits.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	ICPMS tune was not compliant.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	Not applicable.
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
F1	Field duplicate results were outside the control limit.	Field duplicate results were outside the control limit.
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.

Qualifier	Organics	Inorganics
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.

III. Method Analyses

A. Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, 200.7, 200.8, 245.1 — Metals and Mercury

Reviewed By: P. Meeks
Date Reviewed: August 23, September 15, and October 7, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U. S. EPA Region 8 CERCLA Site Assessment* (2013), *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, EPA Methods 200.7, 200.8, 245.1,* and the *National Functional Guidelines for Inorganic Superfund Data Review* (2010).

- Holding Times: The analytical holding times, 28 days for mercury and six months for the remaining metals, was met.

- Analytical Method Blanks: Selenium was detected above the reporting limit in the method blanks at 6.00 µg/L (397490); therefore, all total and dissolved selenium detects were qualified as nondetected (UB), at the levels of contamination. There were no other detects reported in the method blanks.

- Laboratory Control Samples (LCS): Antimony (120%), barium (116%), and selenium (121%) were recovered above the control limit in one LCS (batch 397490). Selenium was not detected in the associated samples; therefore, no qualifications were applied to these results. Total and dissolved antimony in sample CC06_081915 and total antimony in TP04_081915, total and dissolved barium in samples CC06_081915 and TP04_081915, and barium in samples GKMTW122_081915, GKMTW154_081915, GKMTW189_081915, GKMTW191_081915, GKMTW198_081915, GKMTW212_081915, GKMTW218_081915, GKMTW231_081915, GKMTW240_082015, GKMTW231_081915D, GKMTW248_081915, GKMTW327_081915, GKMTW355_081915, GKMTW347_082015, and GKMSW21_081915 was qualified as estimated with a potential high bias (J+). When conflicting bias from the MS/MSD qualifications was present, the results were qualified as estimated (J). The remaining LCS recoveries were within laboratory control limits of 85-115% for all analyses.

- Laboratory Duplicates: There were no laboratory duplicate analyses performed on a sample from this SDG. Method precision was evaluated based on matrix spike/matrix spike duplicate analyses (MS/MSD) results.

- Matrix Spike/Matrix Spike Duplicate: MS/MSD analyses were performed on the samples listed in the table below.

Parent Sample	MS/MSD Analytes
TP04_081914	200.7 (total), 200.8 (total)
GKMTW218_081915	200.7, 200.8
A72_081915	200.7 (dissolved), 200.8 (dissolved)
A68_081915D	200.7 (total), 200.8 (total)
CC06_081915	Mercury (total)
GKMTW212_081915	Mercury
A68_081915	Mercury (total)

Results were not assessed when the native concentration was more than 4× the spike amount. The 200.8 MS of sample TP04_081914 had no recoveries. Because the TP04_081415 MSD was generally recovered acceptably, and all other MS/MSDs were acceptably recovered, the reviewer qualified the results for these MS outliers only in sample TP04_081415. The results were qualified as estimated with a potential low bias (J-) for detects and as estimated (UJ) for nondetects. When conflicting bias from the LCS qualifications was present, the results were qualified as estimated (J).

Total potassium (129%/131%) was recovered above the control limit in TP04_081415. Total potassium in all samples except the GKMTW samples and A68_081915 and A68_081915D was qualified as estimated with a potential high bias (J+). Total cobalt was recovered below the control limit in the MSD of TP04_081415; therefore, total cobalt in all samples except the GKMTW samples and A68_081915 and A68_081915D was qualified as estimated with a potential low bias (J-). Antimony was recovered above the control limit in the MSD of GKMTW218_081915; however, as antimony was not detected in the GKMTW samples, no qualifications were required. The remaining recoveries were within the laboratory control limits of 75-125% for the 200.7 analytes and within 70-130% for mercury and the 200.8 analytes.

Due to the disparate recoveries between the TP04_081415 200.8 MS and MSD, all applicable RPDs exceeded the control limit. As above, the reviewer estimated (J or UJ) the results for these RPD outliers only in sample TP04_081415. The remaining RPDs were ≤20%.

- Post Digestion Spike (PDS): There were no PDS analyses performed on a sample in this SDG.

- Serial Dilution: There were no serial dilution analyses performed in this SDG.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Field Blanks and Equipment Rinsates: No field blank or equipment rinsate samples were identified in this SDG.

- Field Duplicates: Samples A68_081915/ A68_081915D, GKMTW231_081915/ GKMTW231_081915D, and GKMTW336_081915/GKMTW336_081915D were identified as field duplicate samples. Results listed in the table below were qualified as estimated (J or UJ) in the parent and duplicate samples. The remaining RPDs for results above the RL were within the reasonable control limit of ≤30% and the remaining results below the RL were within ±RL.

Pair	Analyte	RPD	Results > ±RL
A68_081915/ A68_081915D	Cobalt (total)	68%	N/A
GKMTW336_081915/ GKMTW336_081915D	Zinc	72%	N/A

B. VARIOUS METHODS—General Minerals

Reviewed By: P. Meeks
Date Reviewed: August 23, 2015

The samples listed in Table 1 for these analyses were validated based on the guidelines outlined in the *Quality Assurance Project Plan for U. S. EPA Region 8 CERCLA Site Assessment* (2013), *United States Environmental Protection Agency Contract Laboratory Program Statement of Work for Inorganic Superfund Methods, Standard Methods for the Examination of Water and Wastewater 2320B, 2340B, 4500 H+, EPA Method 300.0* and the *National Functional Guidelines for Superfund Inorganic Data Review* (2010).

- Holding Times: Nitrate-N was analyzed beyond the holding time in all samples; therefore, nitrate-N in these samples was qualified as estimated with a potential low bias (J-) or as estimated (UJ). The pH measurements were performed in a fixed laboratory rather than on-site; therefore, all pH results were qualified as estimated (J), as the analysis was not conducted in the field. No bias was assigned as the effect of the holding time exceedance could not be ascertained. The remaining analytical holding times, as listed below, were met.

    - Hardness (2340B) – 6 months
    - Alkalinity (2320B) – 14 days
    - Nitrate-N (300.0) - 48 hours
    - pH (4500 H+) – as soon as possible

- Analytical Method Blanks: Alkalinity, anions, and the analytes utilized in the calculation of hardness were not detected in the method blanks.

- Laboratory Control Samples: The analytes utilized in the calculation of hardness were recovered within the metals control limits. The pH recovery was within the laboratory control limits of 63-158% and exceeded the EPA Method 150.1 check standard control limit of ±0.05 pH units at +0.19. All pH results were qualified as estimated with a potential high bias (J+). Alkalinity recoveries were within the laboratory control limits of 80-120%, anion recoveries were within the laboratory control limits of 90-110%, and alkalinity and anion RPDs were ≤30%.

- Laboratory Duplicates: Laboratory duplicate analyses were performed on sample A68_081915 for nitrate-N and pH and on GKMSW02_081915 for alkalinity. The pH RPD was within the laboratory control limit of ≤40% and was within the EPA Method 150.1 check standard control limit. The alkalinity RPD exceeded the control limit at 37%; therefore, alkalinity in the samples was qualified as estimated (J or UJ). The nitrate-N RPD was within the laboratory control limit of ≤30%.

- Matrix Spike: MS/MSD analyses are only applicable to the anions. MS/MSD analyses were performed on sample A68_081915. Results were not assessed when the native concentrations were more than 4× the spike amount. Recoveries and the RPD were within the laboratory control limits of 80-120% and ≤20%, respectively.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

    - Field Blanks and Equipment Rinsates: There were no field blanks or equipment rinsates identified in this SDG.

    - Field Duplicates: Samples A68_081915/A68_081915D, GKMTW231_081915/ GKMTW231_081915D, and GKMTW336_081915/GKMTW336_081915D were identified as field duplicate samples. The pH results were outside the EPA Method 150.1 control limit of 0.05 pH units for check standards at 0.11 pH units. The parent and duplicate pH results were qualified as estimated (J). RPDs for the analytes detected above the RL were within the reasonable control limit of ≤30% and results below the RL were within ±RL.

Validated Sample Result Forms: 680-115897-1

Analysis Method 200.7 Rev 4.4

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	33000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	32000	200	24	ug/L			
Calcium	T	7440-70-2	340000	5000	250	ug/L			
Calcium, Dissolved	D	7440-70-2	350000	5000	250	ug/L			
Iron	T	7439-89-6	140000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	110000	50	17	ug/L			
Magnesium	T	7439-95-4	24000	5000	330	ug/L			
Magnesium, Dissolved	D	7439-95-4	25000	5000	330	ug/L			
Potassium	T	7440-09-7	2600	1000	17	ug/L		J+	Q
Potassium, Dissolved	D	7440-09-7	2600	1000	17	ug/L			
Sodium	T	7440-23-5	480	1000	480	ug/L	U	U	
Sodium, Dissolved	D	7440-23-5	480	1000	480	ug/L	U	U	

Sample Name GKMSW21_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-10 **Sample Date:** 8/19/2015 2:03:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	490	200	24	ug/L			
Calcium	T	7440-70-2	65000	500	25	ug/L			
Iron	T	7439-89-6	400	50	17	ug/L			
Magnesium	T	7439-95-4	14000	500	33	ug/L			
Potassium	T	7440-09-7	2700	1000	17	ug/L		J+	Q
Sodium	T	7440-23-5	51000	1000	480	ug/L			

Sample Name GKMTW122_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-11 **Sample Date:** 8/19/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	99000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	20000	500	33	ug/L			
Potassium	T	7440-09-7	3200	1000	17	ug/L			
Sodium	T	7440-23-5	23000	1000	480	ug/L			

Analysis Method 200.7 Rev 4.4

Sample Name GKMTW154_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-12 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	4500	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	59	500	33	ug/L	J	J	
Potassium	T	7440-09-7	1700	1000	17	ug/L			
Sodium	T	7440-23-5	140000	10000	4800	ug/L			

Sample Name GKMTW189_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-13 **Sample Date:** 8/19/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	71000	500	25	ug/L			
Iron	T	7439-89-6	49	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	17000	500	33	ug/L			
Potassium	T	7440-09-7	3000	1000	17	ug/L			
Sodium	T	7440-23-5	85000	1000	480	ug/L			

Sample Name GKMTW191_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-14 **Sample Date:** 8/19/2015 2:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	130000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	25000	500	33	ug/L			
Potassium	T	7440-09-7	5000	1000	17	ug/L			
Sodium	T	7440-23-5	35000	1000	480	ug/L			

Sample Name GKMTW198_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-15 **Sample Date:** 8/19/2015 2:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	4700	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	50	500	33	ug/L	J	J	
Potassium	T	7440-09-7	1800	1000	17	ug/L			

Sodium	T		7440-23-5	150000	10000	4800	ug/L			

Sample Name GKMTW208_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-16 **Sample Date:** 8/19/2015 8:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	69000	500	25	ug/L			
Iron	T	7439-89-6	79	50	17	ug/L			
Magnesium	T	7439-95-4	10000	500	33	ug/L			
Potassium	T	7440-09-7	2000	1000	17	ug/L			
Sodium	T	7440-23-5	7600	1000	480	ug/L			

Sample Name GKMTW212_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-17 **Sample Date:** 8/19/2015 12:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	64000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	16000	500	33	ug/L			
Potassium	T	7440-09-7	2300	1000	17	ug/L			
Sodium	T	7440-23-5	3100	1000	480	ug/L			

Sample Name GKMTW218_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-18 **Sample Date:** 8/19/2015 3:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	97000	500	25	ug/L			
Iron	T	7439-89-6	100	50	17	ug/L			
Magnesium	T	7439-95-4	17000	500	33	ug/L			
Potassium	T	7440-09-7	2900	1000	17	ug/L			
Sodium	T	7440-23-5	6700	1000	480	ug/L			

Sample Name GKMTW231_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-19 **Sample Date:** 8/19/2015 12:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	120000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	25000	500	33	ug/L			

Potassium	T	7440-09-7	4800	1000	17	ug/L				
Sodium	T	7440-23-5	35000	1000	480	ug/L				

Sample Name GKMTW240_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-2 **Sample Date:** 8/19/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	92000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	19000	500	33	ug/L			
Potassium	T	7440-09-7	2300	1000	17	ug/L			
Sodium	T	7440-23-5	48000	1000	480	ug/L			

Sample Name GKMTW231_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-20 **Sample Date:** 8/19/2015 12:21:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	120000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	26000	500	33	ug/L			
Potassium	T	7440-09-7	4900	1000	17	ug/L			
Sodium	T	7440-23-5	36000	1000	480	ug/L			

Sample Name GKMTW248_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-21 **Sample Date:** 8/19/2015 10:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	70000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	7800	500	33	ug/L			
Potassium	T	7440-09-7	1900	1000	17	ug/L			
Sodium	T	7440-23-5	86000	1000	480	ug/L			

Sample Name GKMTW327_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-22 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	110000	500	25	ug/L			
Iron	T	7439-89-6	210	50	17	ug/L			

Magnesium	T	7439-95-4	13000	500	33	ug/L				
Potassium	T	7440-09-7	1600	1000	17	ug/L				
Sodium	T	7440-23-5	7400	1000	480	ug/L				

Sample Name GKMTW336_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-23 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	67000	500	25	ug/L			
Iron	T	7439-89-6	95	50	17	ug/L			
Magnesium	T	7439-95-4	18000	500	33	ug/L			
Potassium	T	7440-09-7	4100	1000	17	ug/L			
Sodium	T	7440-23-5	6500	1000	480	ug/L			

Sample Name GKMTW336_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-24 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	68000	500	25	ug/L			
Iron	T	7439-89-6	91	50	17	ug/L			
Magnesium	T	7439-95-4	18000	500	33	ug/L			
Potassium	T	7440-09-7	4100	1000	17	ug/L			
Sodium	T	7440-23-5	6400	1000	480	ug/L			

Sample Name GKMTW355_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-25 **Sample Date:** 8/19/2015 1:05:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	93000	500	25	ug/L			
Iron	T	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	15000	500	33	ug/L			
Potassium	T	7440-09-7	1700	1000	17	ug/L			
Sodium	T	7440-23-5	26000	1000	480	ug/L			

Sample Name GKMTW347_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-3 **Sample Date:** 8/19/2015 9:03:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	54000	500	25	ug/L			

Analysis Method 200.7 Rev 4.4

Iron	T	7439-89-6	31	50	17	ug/L	J	J	
Magnesium	T	7439-95-4	5000	500	33	ug/L			
Potassium	T	7440-09-7	3000	1000	17	ug/L			
Sodium	T	7440-23-5	190000	10000	4800	ug/L			

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	24000	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	26000	200	24	ug/L			
Calcium	T	7440-70-2	320000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	300000	5000	250	ug/L			
Iron	T	7439-89-6	78000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	63000	50	17	ug/L			
Magnesium	T	7439-95-4	23000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	23000	5000	330	ug/L			
Potassium	T	7440-09-7	2500	1000	17	ug/L	F1	J+	Q
Potassium, Dissolved	D	7440-09-7	2600	1000	17	ug/L			
Sodium	T	7440-23-5	40000	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	46000	1000	480	ug/L			

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	69	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	40	200	24	ug/L	J	J	
Calcium	T	7440-70-2	48000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	48000	500	25	ug/L			
Iron	T	7439-89-6	150	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	2800	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	2800	500	33	ug/L			
Potassium	T	7440-09-7	670	1000	17	ug/L	J	J	
Potassium, Dissolved	D	7440-09-7	670	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	1800	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	1800	1000	480	ug/L			

Analysis Method 200.7 Rev 4.4

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	75	200	24	ug/L	J	J	
Aluminum, Dissolved	D	7429-90-5	44	200	24	ug/L	J	J	
Calcium	T	7440-70-2	49000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	49000	500	25	ug/L			
Iron	T	7439-89-6	150	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	2900	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	2900	500	33	ug/L			
Potassium	T	7440-09-7	680	1000	17	ug/L	J	J	
Potassium, Dissolved	D	7440-09-7	680	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	1900	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	2000	1000	480	ug/L			

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	1800	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	24	200	24	ug/L	U	U	
Calcium	T	7440-70-2	70000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	71000	500	25	ug/L			
Iron	T	7439-89-6	3000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	670	50	17	ug/L			
Magnesium	T	7439-95-4	4700	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4800	500	33	ug/L			
Potassium	T	7440-09-7	890	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	890	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	2900	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	3100	1000	480	ug/L			

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	8000	200	24	ug/L			

Analysis Method 200.7 Rev 4.4

Aluminum, Dissolved	D	7429-90-5	7700	200	24	ug/L			
Calcium	T	7440-70-2	180000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	180000	500	25	ug/L			
Iron	T	7439-89-6	14000	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	5600	50	17	ug/L			
Magnesium	T	7439-95-4	11000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	10000	500	33	ug/L			
Potassium	T	7440-09-7	2200	1000	17	ug/L		J+	Q
Potassium, Dissolved	D	7440-09-7	2000	1000	17	ug/L			
Sodium	T	7440-23-5	6800	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	6800	1000	480	ug/L			

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Aluminum	T	7429-90-5	600	200	24	ug/L			
Aluminum, Dissolved	D	7429-90-5	33	200	24	ug/L	J	J	
Calcium	T	7440-70-2	48000	500	25	ug/L			
Calcium, Dissolved	D	7440-70-2	47000	500	25	ug/L			
Iron	T	7439-89-6	930	50	17	ug/L			
Iron, Dissolved	D	7439-89-6	17	50	17	ug/L	U	U	
Magnesium	T	7439-95-4	5000	500	33	ug/L			
Magnesium, Dissolved	D	7439-95-4	4900	500	33	ug/L			
Potassium	T	7440-09-7	910	1000	17	ug/L	J	J+	Q
Potassium, Dissolved	D	7440-09-7	900	1000	17	ug/L	J	J	
Sodium	T	7440-23-5	2200	1000	480	ug/L			
Sodium, Dissolved	D	7440-23-5	2300	1000	480	ug/L			

Analysis Method 200.8

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	4.2	1	0.4	ug/L	*	J+	L
Antimony, Dissolved	D	7440-36-0	0.81	1	0.4	ug/L	J *	J+	L
Arsenic	T	7440-38-2	54	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	7.5	1	0.37	ug/L			
Barium	T	7440-39-3	11	2	0.14	ug/L	* ^	J+	L
Barium, Dissolved	D	7440-39-3	11	2	0.14	ug/L	*	J+	L

Analysis Method 200.8

Beryllium	T	7440-41-7	11	0.4	0.15	ug/L			
Beryllium, Dissolved	D	7440-41-7	12	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	87	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	94	0.5	0.043	ug/L			
Chromium	T	7440-47-3	4.9	2	1	ug/L			
Chromium, Dissolved	D	7440-47-3	2.8	2	1	ug/L			
Cobalt	T	7440-48-4	110	0.4	0.12	ug/L		J-	Q
Cobalt, Dissolved	D	7440-48-4	120	0.4	0.12	ug/L			
Copper	T	7440-50-8	6300	1	0.5	ug/L	E		
Copper, Dissolved	D	7440-50-8	6600	1	0.5	ug/L	E		
Lead	T	7439-92-1	43	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	31	0.3	0.06	ug/L			
Manganese	T	7439-96-5	35000	2.5	1.2	ug/L	E		
Manganese, Dissolved	D	7439-96-5	35000	2.5	1.2	ug/L	E		
Molybdenum	T	7439-98-7	6.5	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.5	1	0.45	ug/L			
Nickel	T	7440-02-0	64	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	66	1	0.4	ug/L			
Selenium	T	7782-49-2	14	2	0.58	ug/L	B * ^	UB	B
Selenium, Dissolved	D	7782-49-2	14	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.15	1	0.1	ug/L	J	J	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.34	0.2	0.1	ug/L			
Thallium, Dissolved	D	7440-28-0	0.33	0.2	0.1	ug/L			
Vanadium	T	7440-62-2	35	1	0.3	ug/L			
Vanadium, Dissolved	D	7440-62-2	2.7	1	0.3	ug/L			
Zinc	T	7440-66-6	27000	20	2.8	ug/L	E		
Zinc, Dissolved	D	7440-66-6	28000	20	2.8	ug/L	E		

Sample Name GKMSW21_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-10 **Sample Date:** 8/19/2015 2:03:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.63	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	160	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.26	0.4	0.12	ug/L	J	J-	Q
Copper	T	7440-50-8	2.6	1	0.5	ug/L			

Analysis Method 200.8

Lead	T	7439-92-1	0.42	0.3	0.06	ug/L			
Manganese	T	7439-96-5	36	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	0.88	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	13	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	1.2	1	0.3	ug/L			
Zinc	T	7440-66-6	4.5	20	2.8	ug/L	J	J	

Sample Name GKMTW122_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-11 **Sample Date:** 8/19/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	49	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.15	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	6.6	1	0.5	ug/L			
Lead	T	7439-92-1	0.16	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.89	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	1.2	1	0.4	ug/L			
Selenium	T	7782-49-2	12	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	6.1	20	2.8	ug/L	J	J	

Sample Name GKMTW154_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-12 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	6	1	0.37	ug/L			
Barium	T	7440-39-3	49	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	

Analysis Method 200.8

Copper	T	7440-50-8	500	1	0.5	ug/L			
Lead	T	7439-92-1	0.15	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	12	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	23	1	0.45	ug/L			
Nickel	T	7440-02-0	0.4	1	0.4	ug/L	U	U	
Selenium	T	7782-49-2	9.7	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	4.4	20	2.8	ug/L	J	J	

Sample Name GKMTW189_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-13 **Sample Date:** 8/19/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.86	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	72	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	8.2	1	0.5	ug/L			
Lead	T	7439-92-1	1.7	0.3	0.06	ug/L			
Manganese	T	7439-96-5	8.5	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	5.4	1	0.45	ug/L			
Nickel	T	7440-02-0	0.97	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	8.8	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	16	20	2.8	ug/L	J	J	

Sample Name GKMTW191_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-14 **Sample Date:** 8/19/2015 2:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.39	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	74	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.06	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	

Analysis Method 200.8

Cobalt	T	7440-48-4	0.21	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	8.6	1	0.5	ug/L			
Lead	T	7439-92-1	0.29	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.88	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	1.5	1	0.4	ug/L			
Selenium	T	7782-49-2	9.6	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.36	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	5.7	20	2.8	ug/L	J	J	

Sample Name GKMTW198_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-15 **Sample Date:** 8/19/2015 2:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	6.3	1	0.37	ug/L			
Barium	T	7440-39-3	40	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	
Copper	T	7440-50-8	6.7	1	0.5	ug/L			
Lead	T	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	11	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	33	1	0.45	ug/L			
Nickel	T	7440-02-0	0.93	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	8.9	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	3.4	20	2.8	ug/L	J	J	

Sample Name GKMTW208_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-16 **Sample Date:** 8/19/2015 8:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.39	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	35	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	

Analysis Method 200.8

Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.24	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	1.8	1	0.5	ug/L			
Lead	T	7439-92-1	0.26	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.58	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	2.5	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.6	1	0.3	ug/L	J B	J	
Zinc	T	7440-66-6	2.8	20	2.8	ug/L	U	U	

Sample Name GKMTW212_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-17 **Sample Date:** 8/19/2015 12:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	64	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	
Copper	T	7440-50-8	0.94	1	0.5	ug/L	J	J	
Lead	T	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	2	1	0.45	ug/L			
Nickel	T	7440-02-0	0.68	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	9	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	2.8	20	2.8	ug/L	U	U	

Sample Name GKMTW218_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-18 **Sample Date:** 8/19/2015 3:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U * F1	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	250	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	

Analysis Method 200.8

Cadmium	T	7440-43-9	0.075	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.15	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	2.6	1	0.5	ug/L			
Lead	T	7439-92-1	0.37	0.3	0.06	ug/L			
Manganese	T	7439-96-5	5.1	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.74	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	1.2	1	0.4	ug/L			
Selenium	T	7782-49-2	7.3	2	0.58	ug/L	^ B *	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	1	1	0.3	ug/L			
Zinc	T	7440-66-6	22	20	2.8	ug/L			

Sample Name GKMTW231_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-19 **Sample Date:** 8/19/2015 12:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	70	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.19	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	10	1	0.5	ug/L			
Lead	T	7439-92-1	1	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.86	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	1.2	1	0.4	ug/L			
Selenium	T	7782-49-2	11	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	19	20	2.8	ug/L	J	J	

Sample Name GKMTW240_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-2 **Sample Date:** 8/19/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	59	2	0.14	ug/L	* ^	J+	L

Analysis Method 200.8

Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.16	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	3.5	1	0.5	ug/L			
Lead	T	7439-92-1	0.29	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	3.5	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.2	1	0.45	ug/L			
Nickel	T	7440-02-0	1	1	0.4	ug/L			
Selenium	T	7782-49-2	18	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	32	20	2.8	ug/L			

Sample Name GKMTW231_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-20 **Sample Date:** 8/19/2015 12:21:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	73	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.18	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	12	1	0.5	ug/L			
Lead	T	7439-92-1	1.3	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.85	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	1.3	1	0.4	ug/L			
Selenium	T	7782-49-2	11	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.35	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	30	20	2.8	ug/L			

Sample Name GKMTW248_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-21 **Sample Date:** 8/19/2015 10:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	1.8	1	0.37	ug/L			

Analysis Method 200.8

Barium	T	7440-39-3	170	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.084	0.5	0.043	ug/L	J	J	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	17	1	0.5	ug/L			
Lead	T	7439-92-1	0.34	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	4.1	1	0.45	ug/L			
Nickel	T	7440-02-0	1.2	1	0.4	ug/L			
Selenium	T	7782-49-2	10	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	1200	20	2.8	ug/L			

Sample Name GKMTW327_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-22 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	11	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.16	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	29	1	0.5	ug/L			
Lead	T	7439-92-1	1.5	0.3	0.06	ug/L			
Manganese	T	7439-96-5	2	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	3.8	1	0.45	ug/L			
Nickel	T	7440-02-0	1.3	1	0.4	ug/L			
Selenium	T	7782-49-2	10	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	42	20	2.8	ug/L			

Sample Name GKMTW336_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-23 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	

Analysis Method 200.8

Arsenic	T	7440-38-2	0.61	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	52	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.23	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	8.1	1	0.5	ug/L			
Lead	T	7439-92-1	0.55	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.3	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	4.2	1	0.45	ug/L			
Nickel	T	7440-02-0	2.5	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	4.8	1	0.3	ug/L	B		
Zinc	T	7440-66-6	25	20	2.8	ug/L		J	F1

Sample Name GKMTW336_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-24 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.61	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	53	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.23	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	7.7	1	0.5	ug/L			
Lead	T	7439-92-1	0.46	0.3	0.06	ug/L			
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	J	J	
Molybdenum	T	7439-98-7	4.2	1	0.45	ug/L			
Nickel	T	7440-02-0	2.7	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	4.8	1	0.3	ug/L	B		
Zinc	T	7440-66-6	53	20	2.8	ug/L		J	F1

Sample Name GKMTW355_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-25 **Sample Date:** 8/19/2015 1:05:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

Analysis Method 200.8

Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.43	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	160	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.13	0.4	0.12	ug/L	J	J	
Copper	T	7440-50-8	26	1	0.5	ug/L			
Lead	T	7439-92-1	0.15	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	1.2	2.5	1.2	ug/L	U	U	
Molybdenum	T	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	1.1	1	0.4	ug/L			
Selenium	T	7782-49-2	12	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.67	1	0.3	ug/L	J	J	
Zinc	T	7440-66-6	4.1	20	2.8	ug/L	J	J	

Sample Name GKMTW347_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-3 **Sample Date:** 8/19/2015 9:03:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	0.52	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	52	2	0.14	ug/L	* ^	J+	L
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.043	0.5	0.043	ug/L	U	U	
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.12	0.4	0.12	ug/L	U	U	
Copper	T	7440-50-8	77	1	0.5	ug/L			
Lead	T	7439-92-1	1.4	0.3	0.06	ug/L			
Manganese	T	7439-96-5	56	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	4	1	0.45	ug/L			
Nickel	T	7440-02-0	0.72	1	0.4	ug/L	J	J	
Selenium	T	7782-49-2	18	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	19	20	2.8	ug/L	J	J	

Analysis Method 200.8

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	1.5	1	0.4	ug/L	* F1	J	L, Q, Q1
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U *	U	
Arsenic	T	7440-38-2	19	1	0.37	ug/L	F1	J-	Q, Q1
Arsenic, Dissolved	D	7440-38-2	0.87	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	13	2	0.14	ug/L	* ^ F1 F2	J	L, Q, Q1
Barium, Dissolved	D	7440-39-3	12	2	0.14	ug/L	*	J+	L
Beryllium	T	7440-41-7	8.8	0.4	0.15	ug/L	F1 F2	J-	Q, Q1
Beryllium, Dissolved	D	7440-41-7	9	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	79	0.5	0.043	ug/L	F1 F2	J-	Q, Q1
Cadmium, Dissolved	D	7440-43-9	87	0.5	0.043	ug/L			
Chromium	T	7440-47-3	2.3	2	1	ug/L	F1	J-	Q, Q1
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	99	0.4	0.12	ug/L	F2	J-	Q, Q1
Cobalt, Dissolved	D	7440-48-4	110	0.4	0.12	ug/L			
Copper	T	7440-50-8	4800	1	0.5	ug/L	E F2	J-	Q, Q1
Copper, Dissolved	D	7440-50-8	5200	1	0.5	ug/L	E		
Lead	T	7439-92-1	29	0.3	0.06	ug/L	F1 F2	J-	Q, Q1
Lead, Dissolved	D	7439-92-1	13	0.3	0.06	ug/L			
Manganese	T	7439-96-5	29000	2.5	1.2	ug/L	E F2	J-	Q, Q1
Manganese, Dissolved	D	7439-96-5	31000	2.5	1.2	ug/L	E		
Molybdenum	T	7439-98-7	2.8	1	0.45	ug/L	F1 F2	J-	Q, Q1
Molybdenum, Dissolved	D	7439-98-7	0.91	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	58	1	0.4	ug/L	F1 F2	J-	Q, Q1
Nickel, Dissolved	D	7440-02-0	61	1	0.4	ug/L			
Selenium	T	7782-49-2	13	2	0.58	ug/L	^ B * F1 F	UJB	B, Q, Q1
Selenium, Dissolved	D	7782-49-2	20	2	0.58	ug/L	B * ^	UB	B
Silver	T	7440-22-4	0.11	1	0.1	ug/L	J F1	J-	Q, Q1
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.25	0.2	0.1	ug/L	F1	J-	Q, Q1
Thallium, Dissolved	D	7440-28-0	0.27	0.2	0.1	ug/L			
Vanadium	T	7440-62-2	13	1	0.3	ug/L	F1 F2	J-	Q, Q1
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	22000	20	2.8	ug/L	E F2	J-	Q, Q1
Zinc, Dissolved	D	7440-66-6	23000	20	2.8	ug/L	E		

Analysis Method 200.8

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.37	1	0.37	ug/L	U	U	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	26	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	24	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	1	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.86	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.5	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	1.2	0.4	0.12	ug/L		J	F1
Copper	T	7440-50-8	4.4	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.3	1	0.5	ug/L			
Lead	T	7439-92-1	1.6	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.067	0.3	0.06	ug/L	J	J	
Manganese	T	7439-96-5	830	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	840	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.9	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.8	1	0.45	ug/L			
Nickel	T	7440-02-0	2.4	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	2.8	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.35	1	0.3	ug/L	J B	J	
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	260	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	250	20	2.8	ug/L			

Analysis Method 200.8

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.39	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	24	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	24	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.87	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.82	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	0.51	0.4	0.12	ug/L			
Cobalt, Dissolved	D	7440-48-4	0.59	0.4	0.12	ug/L		J	F1
Copper	T	7440-50-8	4.5	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.3	1	0.5	ug/L			
Lead	T	7439-92-1	1.6	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	840	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	850	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1.9	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	1.8	1	0.45	ug/L			
Nickel	T	7440-02-0	2.5	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	2.5	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.35	1	0.3	ug/L	J B	J	
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	260	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	240	20	2.8	ug/L			

Analysis Method 200.8

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	1.6	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	25	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	25	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.28	0.4	0.15	ug/L	J	J	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	1.9	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	2	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	6.3	0.4	0.12	ug/L		J-	Q
Cobalt, Dissolved	D	7440-48-4	7.2	0.4	0.12	ug/L			
Copper	T	7440-50-8	66	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	15	1	0.5	ug/L			
Lead	T	7439-92-1	5.8	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	1300	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	1400	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	1	1	0.45	ug/L			
Molybdenum, Dissolved	D	7439-98-7	0.76	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	6.4	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	6.6	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	1	1	0.3	ug/L	B		
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	700	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	680	20	2.8	ug/L			

Analysis Method 200.8

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	9	1	0.37	ug/L			
Arsenic, Dissolved	D	7440-38-2	0.38	1	0.37	ug/L	J	J	
Barium	T	7440-39-3	18	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	15	2	0.14	ug/L			
Beryllium	T	7440-41-7	1.4	0.4	0.15	ug/L			
Beryllium, Dissolved	D	7440-41-7	1.4	0.4	0.15	ug/L			
Cadmium	T	7440-43-9	10	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	10	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	31	0.4	0.12	ug/L		J-	Q
Cobalt, Dissolved	D	7440-48-4	31	0.4	0.12	ug/L			
Copper	T	7440-50-8	470	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	460	1	0.5	ug/L			
Lead	T	7439-92-1	70	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	24	0.3	0.06	ug/L			
Manganese	T	7439-96-5	6800	13	6	ug/L			
Manganese, Dissolved	D	7439-96-5	6500	13	6	ug/L			
Molybdenum	T	7439-98-7	0.88	1	0.45	ug/L	J	J	
Molybdenum, Dissolved	D	7439-98-7	0.45	1	0.45	ug/L	U	U	
Nickel	T	7440-02-0	25	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	24	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.17	1	0.1	ug/L	J	J	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.22	0.2	0.1	ug/L			
Thallium, Dissolved	D	7440-28-0	0.21	0.2	0.1	ug/L			
Vanadium	T	7440-62-2	4.6	1	0.3	ug/L	B		
Vanadium, Dissolved	D	7440-62-2	0.3	1	0.3	ug/L	U	U	
Zinc	T	7440-66-6	4100	100	14	ug/L			
Zinc, Dissolved	D	7440-66-6	3900	100	14	ug/L			

Analysis Method 200.8

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Antimony	T	7440-36-0	0.4	1	0.4	ug/L	U	U	
Antimony, Dissolved	D	7440-36-0	0.4	1	0.4	ug/L	U	U	
Arsenic	T	7440-38-2	0.75	1	0.37	ug/L	J	J	
Arsenic, Dissolved	D	7440-38-2	0.37	1	0.37	ug/L	U	U	
Barium	T	7440-39-3	37	2	0.14	ug/L			
Barium, Dissolved	D	7440-39-3	35	2	0.14	ug/L			
Beryllium	T	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Beryllium, Dissolved	D	7440-41-7	0.15	0.4	0.15	ug/L	U	U	
Cadmium	T	7440-43-9	0.79	0.5	0.043	ug/L			
Cadmium, Dissolved	D	7440-43-9	0.64	0.5	0.043	ug/L			
Chromium	T	7440-47-3	1	2	1	ug/L	U	U	
Chromium, Dissolved	D	7440-47-3	1	2	1	ug/L	U	U	
Cobalt	T	7440-48-4	2.3	0.4	0.12	ug/L		J-	Q
Cobalt, Dissolved	D	7440-48-4	2.4	0.4	0.12	ug/L			
Copper	T	7440-50-8	19	1	0.5	ug/L			
Copper, Dissolved	D	7440-50-8	2.3	1	0.5	ug/L			
Lead	T	7439-92-1	3	0.3	0.06	ug/L			
Lead, Dissolved	D	7439-92-1	0.06	0.3	0.06	ug/L	U	U	
Manganese	T	7439-96-5	510	2.5	1.2	ug/L			
Manganese, Dissolved	D	7439-96-5	490	2.5	1.2	ug/L			
Molybdenum	T	7439-98-7	0.8	1	0.45	ug/L	J	J	
Molybdenum, Dissolved	D	7439-98-7	0.63	1	0.45	ug/L	J	J	
Nickel	T	7440-02-0	3.4	1	0.4	ug/L			
Nickel, Dissolved	D	7440-02-0	3.5	1	0.4	ug/L			
Selenium	T	7782-49-2	0.58	2	0.58	ug/L	U	U	
Selenium, Dissolved	D	7782-49-2	0.58	2	0.58	ug/L	U	U	
Silver	T	7440-22-4	0.1	1	0.1	ug/L	U	U	
Silver, Dissolved	D	7440-22-4	0.1	1	0.1	ug/L	U	U	
Thallium	T	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Thallium, Dissolved	D	7440-28-0	0.1	0.2	0.1	ug/L	U	U	
Vanadium	T	7440-62-2	0.62	1	0.3	ug/L	J B	J	
Vanadium, Dissolved	D	7440-62-2	0.4	1	0.3	ug/L	J B	J	
Zinc	T	7440-66-6	260	20	2.8	ug/L			
Zinc, Dissolved	D	7440-66-6	160	20	2.8	ug/L			

Analysis Method 2320B-2011

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	UJ	E

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	UJ	E

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	32	5	5	mg/L		J	E

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	33	5	5	mg/L		J	E

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	6.6	5	5	mg/L		J	E

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	5	5	5	mg/L	U	UJ	E

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Alkalinity	T	STL00171	25	5	5	mg/L		J	E

Analysis Method 2340B-2011

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	1000	3.3	3.3	mg/L			

Sample Name GKMSW21_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-10 **Sample Date:** 8/19/2015 2:03:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	220	3.3	3.3	mg/L			

Sample Name GKMTW122_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-11 **Sample Date:** 8/19/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	330	3.3	3.3	mg/L			

Sample Name GKMTW154_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-12 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	12	3.3	3.3	mg/L			

Sample Name GKMTW189_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-13 **Sample Date:** 8/19/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	250	3.3	3.3	mg/L			

Sample Name GKMTW191_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-14 **Sample Date:** 8/19/2015 2:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	440	3.3	3.3	mg/L			

Sample Name GKMTW198_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-15 **Sample Date:** 8/19/2015 2:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	12	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name GKMTW208_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-16 **Sample Date:** 8/19/2015 8:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	210	3.3	3.3	mg/L			

Sample Name GKMTW212_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-17 **Sample Date:** 8/19/2015 12:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	220	3.3	3.3	mg/L			

Sample Name GKMTW218_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-18 **Sample Date:** 8/19/2015 3:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	310	3.3	3.3	mg/L			

Sample Name GKMTW231_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-19 **Sample Date:** 8/19/2015 12:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	410	3.3	3.3	mg/L			

Sample Name GKMTW240_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-2 **Sample Date:** 8/19/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	310	3.3	3.3	mg/L			

Sample Name GKMTW231_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-20 **Sample Date:** 8/19/2015 12:21:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	410	3.3	3.3	mg/L			

Sample Name GKMTW248_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-21 **Sample Date:** 8/19/2015 10:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	210	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name GKMTW327_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-22 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	340	3.3	3.3	mg/L			

Sample Name GKMTW336_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-23 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	240	3.3	3.3	mg/L			

Sample Name GKMTW336_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-24 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	240	3.3	3.3	mg/L			

Sample Name GKMTW355_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-25 **Sample Date:** 8/19/2015 1:05:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	300	3.3	3.3	mg/L			

Sample Name GKMTW347_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-3 **Sample Date:** 8/19/2015 9:03:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	150	3.3	3.3	mg/L			

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	890	3.3	3.3	mg/L			

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	130	3.3	3.3	mg/L			

Analysis Method 2340B-2011

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	130	3.3	3.3	mg/L			

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	200	3.3	3.3	mg/L			

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	500	3.3	3.3	mg/L			

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Total Hardness	T	STL00009	140	3.3	3.3	mg/L			

Analysis Method 245.1

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMSW21_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-10 **Sample Date:** 8/19/2015 2:03:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW122_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-11 **Sample Date:** 8/19/2015 11:40:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes

Analysis Method 245.1

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW154_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-12 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW189_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-13 **Sample Date:** 8/19/2015 10:50:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW191_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-14 **Sample Date:** 8/19/2015 2:50:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW198_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-15 **Sample Date:** 8/19/2015 2:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW208_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-16 **Sample Date:** 8/19/2015 8:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW212_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-17 **Sample Date:** 8/19/2015 12:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW218_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-18 **Sample Date:** 8/19/2015 3:40:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Sample Name GKMTW231_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-19 **Sample Date:** 8/19/2015 12:20:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW240_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-2 **Sample Date:** 8/19/2015 10:45:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW231_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-20 **Sample Date:** 8/19/2015 12:21:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW248_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-21 **Sample Date:** 8/19/2015 10:15:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW327_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-22 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW336_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-23 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW336_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-24 **Sample Date:** 8/19/2015 5:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Sample Name GKMTW355_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-25 **Sample Date:** 8/19/2015 1:05:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMTW347_082015 **Matrix Type:** Water

Lab Sample Name: 680-115897-3 **Sample Date:** 8/19/2015 9:03:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 245.1

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Mercury	T	7439-97-6	0.08	0.2	0.08	ug/L	U	U	
Mercury	D	7439-97-6	0.08	0.2	0.08	ug/L	U	U	

Analysis Method 300.0

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.023	0.05	0.023	mg/L	U H	UJ	H

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.023	0.05	0.023	mg/L	U H	UJ	H

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.054	0.05	0.023	mg/L	H	J-	H

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.055	0.05	0.023	mg/L	H	J-	H

Analysis Method 300.0

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.063	0.05	0.023	mg/L	H	J-	H

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.032	0.05	0.023	mg/L	J H	J-	H

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
Nitrate as N	T	14797-55-8	0.067	0.05	0.023	mg/L	H	J-	H

Analysis Method 4500 H+ B-2011

Sample Name CC06_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-1 **Sample Date:** 8/19/2015 9:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	2.92			SU	HF	J+	H, L

Sample Name TP04_081914 **Matrix Type:** Water

Lab Sample Name: 680-115897-4 **Sample Date:** 8/19/2015 11:30:00 AM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	3.35			SU	HF	J+	H, L

Sample Name A68_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-5 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.64			SU	HF	J+	H, L, F1

Sample Name A68_081915D **Matrix Type:** Water

Lab Sample Name: 680-115897-6 **Sample Date:** 8/19/2015 1:45:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.73			SU	HF	J+	H, L, F1

Analysis Method 4500 H+ B-2011

Sample Name A72_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-7 **Sample Date:** 8/19/2015 2:15:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	6.82			SU	HF	J+	H, L

Sample Name CC48_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-8 **Sample Date:** 8/19/2015 3:00:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	3.34			SU	HF	J+	H, L

Sample Name GKMSW02_081915 **Matrix Type:** Water

Lab Sample Name: 680-115897-9 **Sample Date:** 8/19/2015 12:30:00 PM

Analyte	Total/Dissolved	CAS No	Result Value	Reporting Limit	MDL	Result Units	Lab Qualifier	Validation Qualifier	Validation Notes
pH	T	STL00204	7.63			SU	HF	J+	H, L